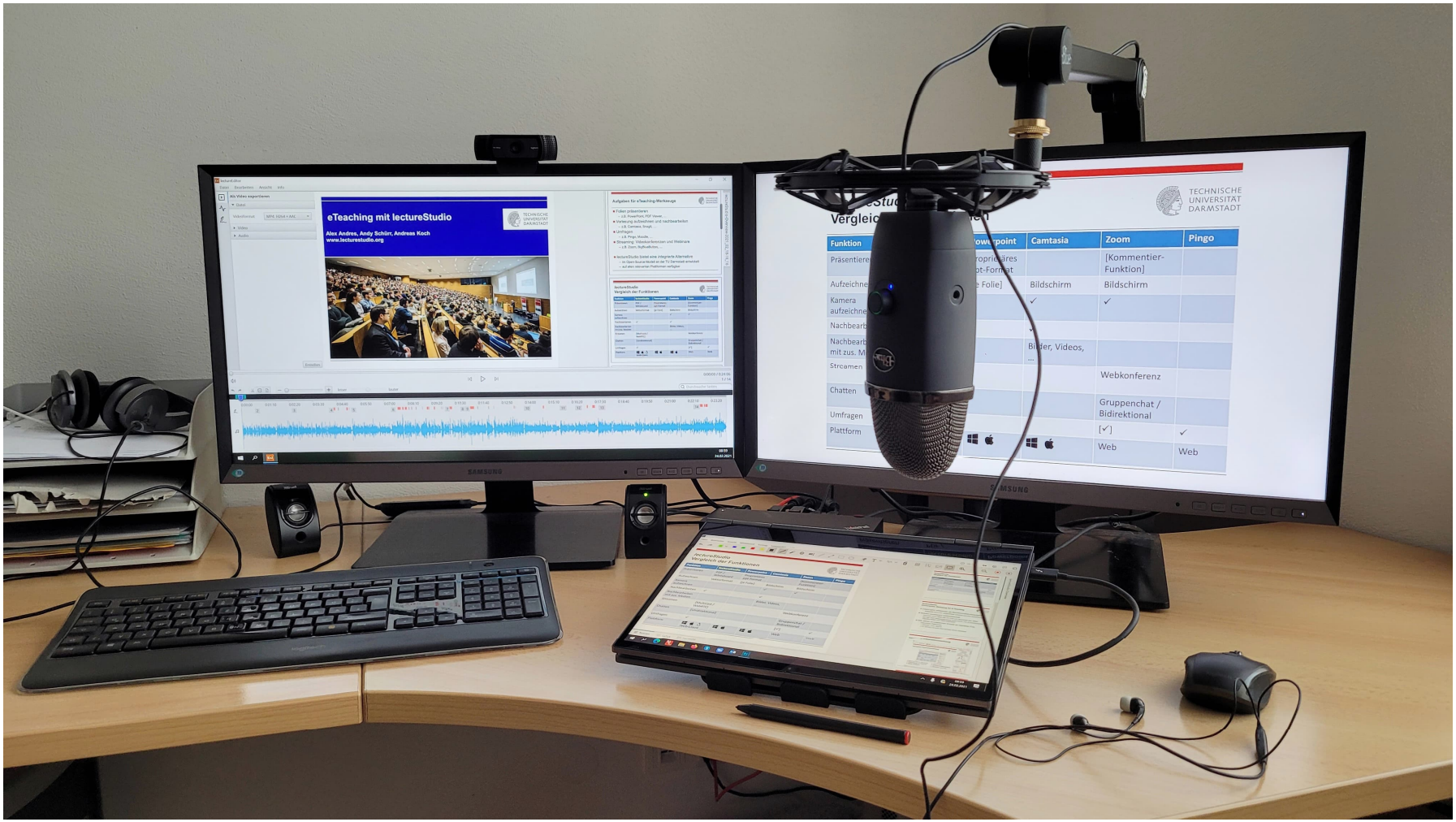
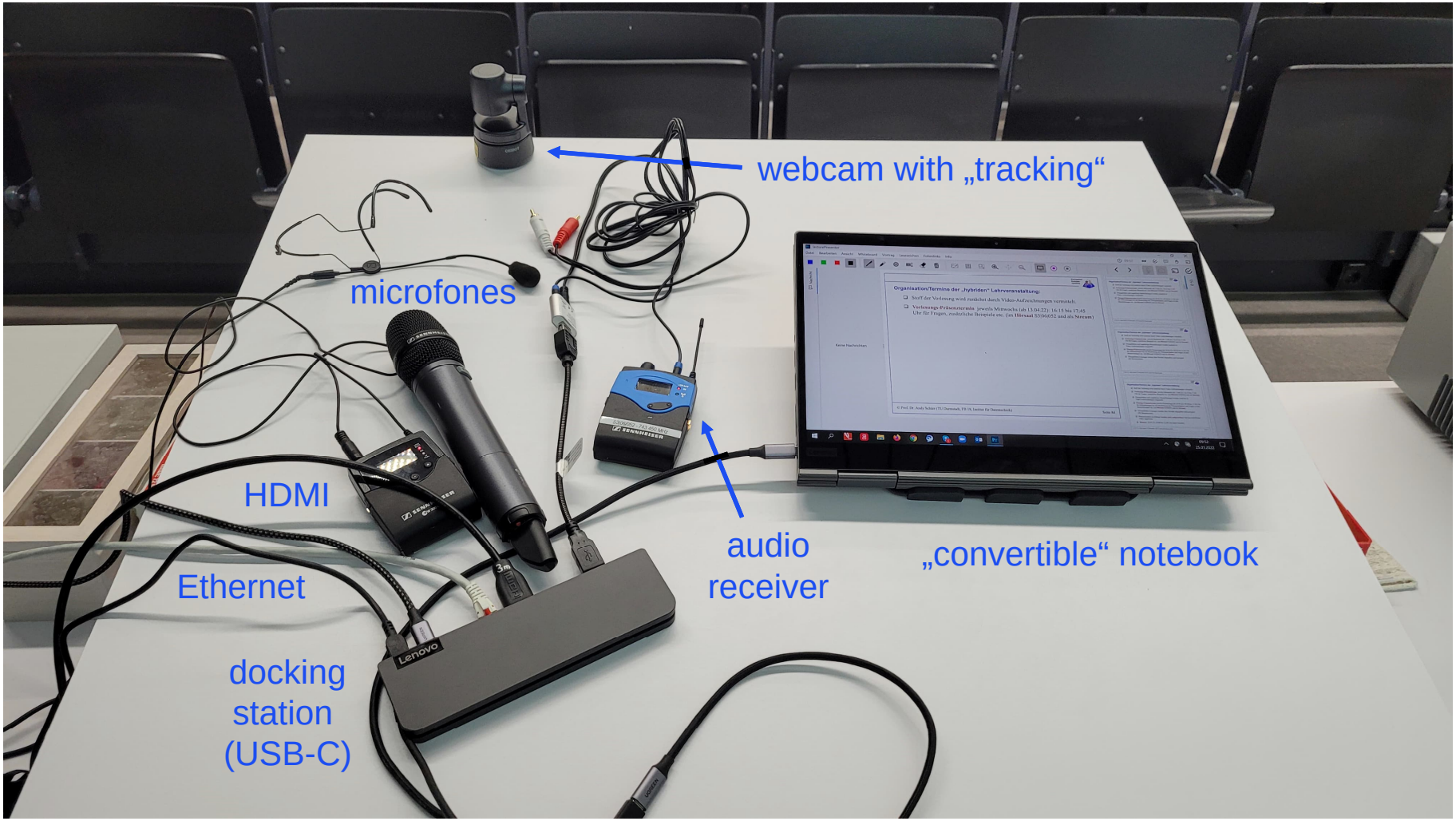
lectureStudio – Tutorial 3: Editor

Alex Andres, Andreas Koch, *Andy Schürr*
Technical University of Darmstadt
https://www.lecturestudio.org

eTeaching Work Place in 2020, 2021, …



Hybrid Setting (Lecture Hall & Streaming)



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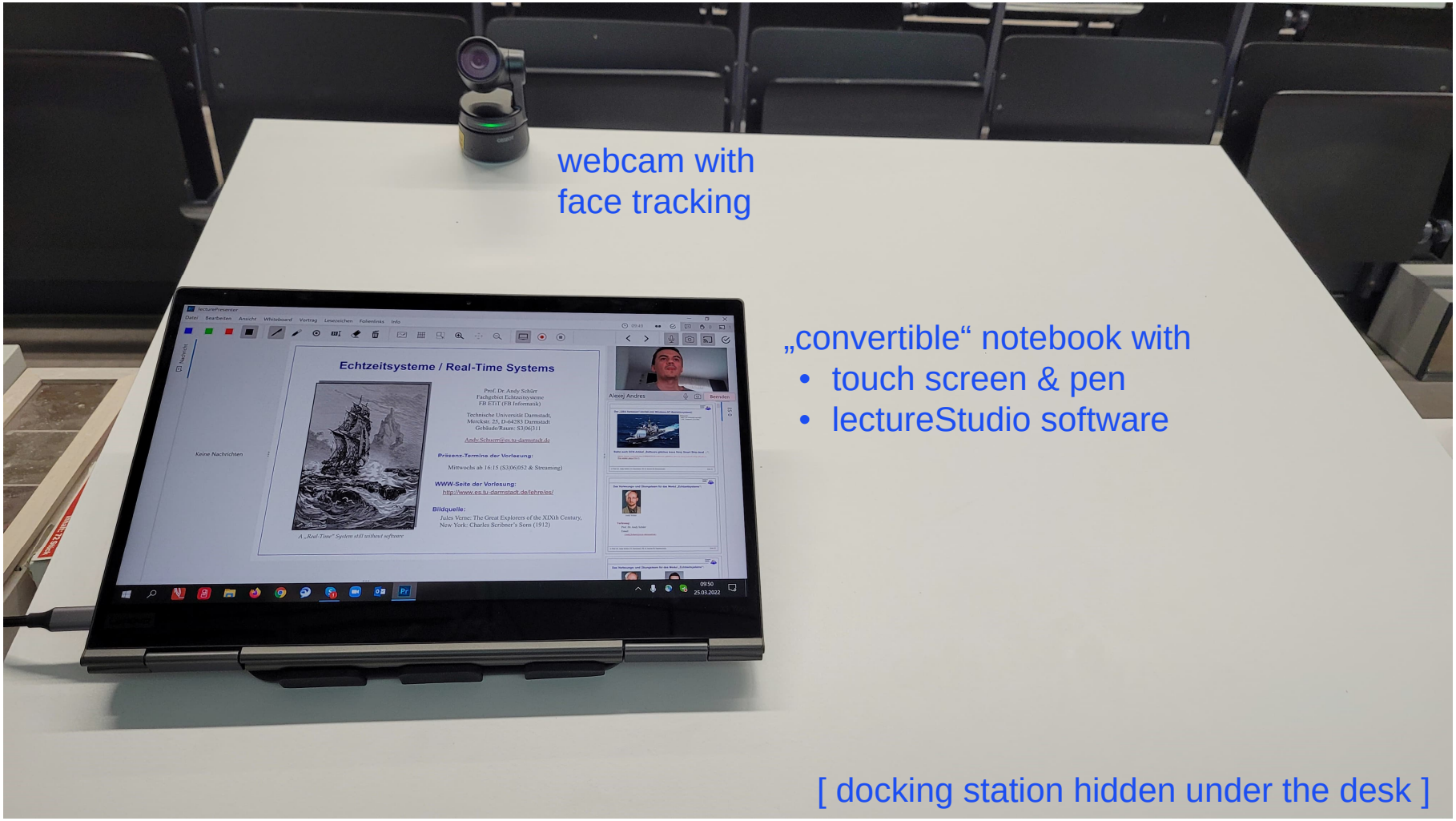

Categories of eTeaching Tools

- presentation tools (with integrated whiteboard)
  - PowerPoint, pdfpc, …
- presentation recording and postprocessing tools
  - Panopto, Camtasia, Snagit, …
- streaming / video conference tools
  - BigBlueButton, Zoom, …
- interactive poll/quiz execution tools
  - Pingo, Moodle, …
- interactive group chat tools
  - Element, Zoom, …
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lecture-Studio

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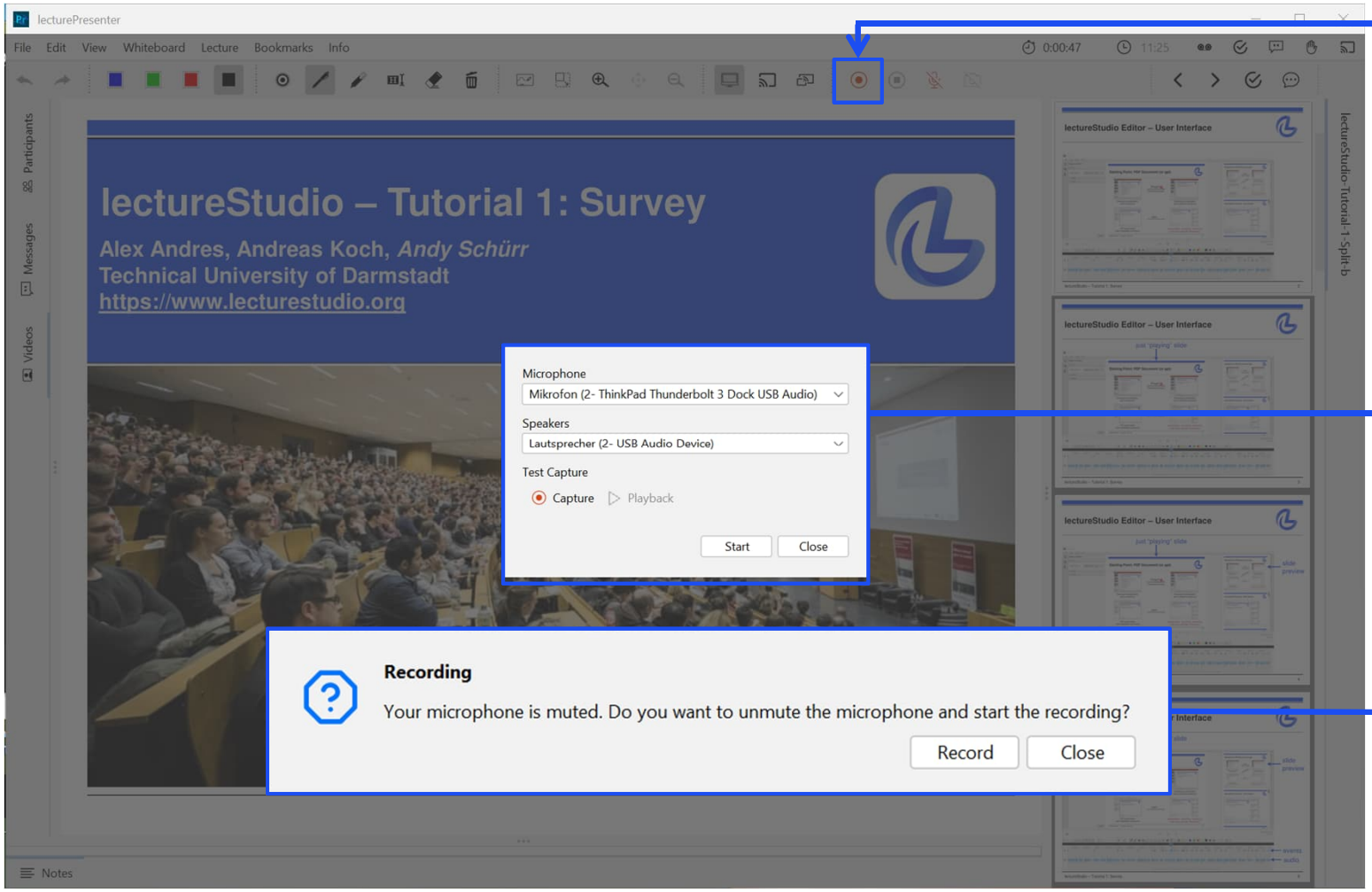
lecture-Studio

lectureStudio Presenter – Start Recording

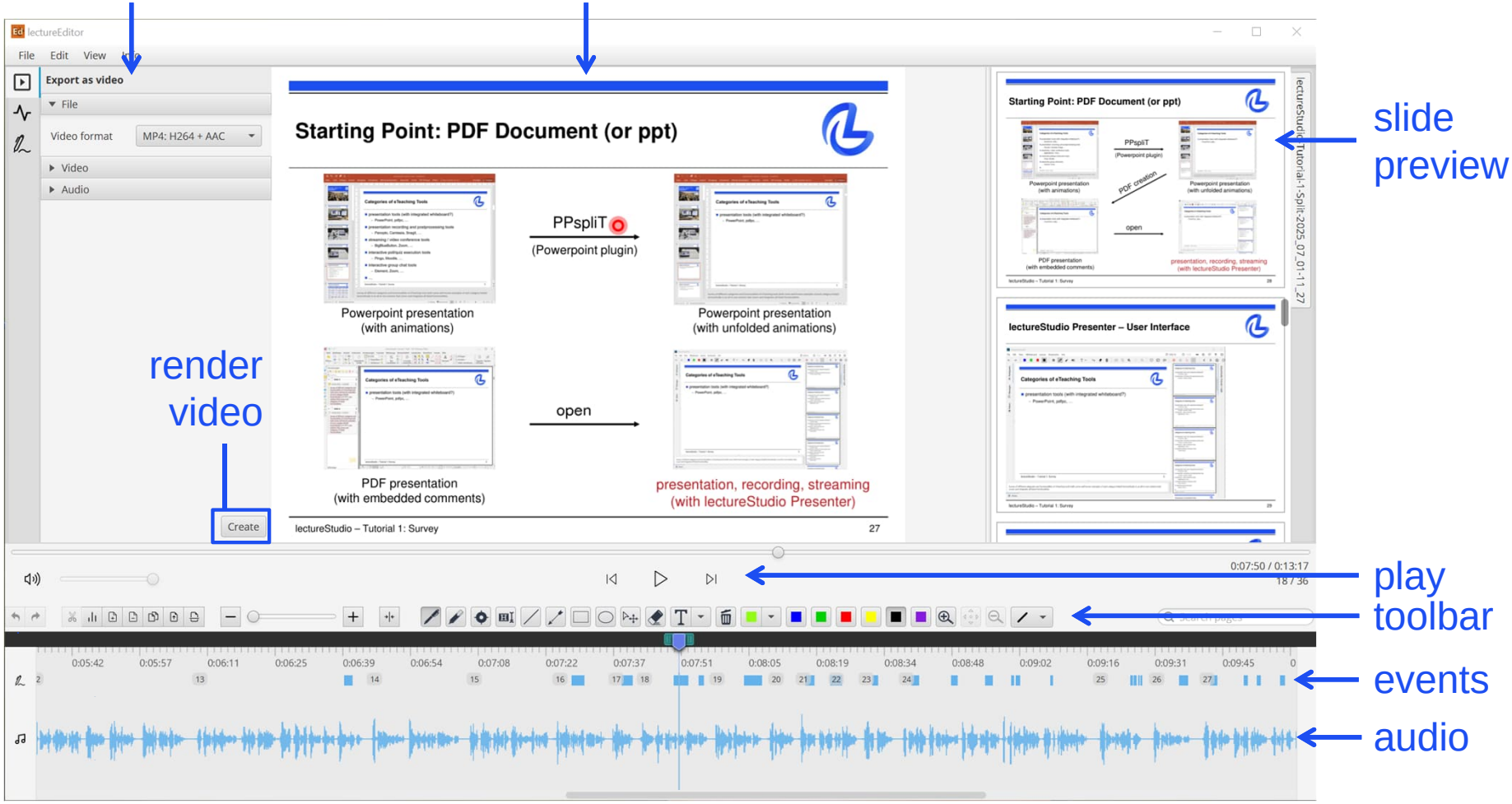


start record

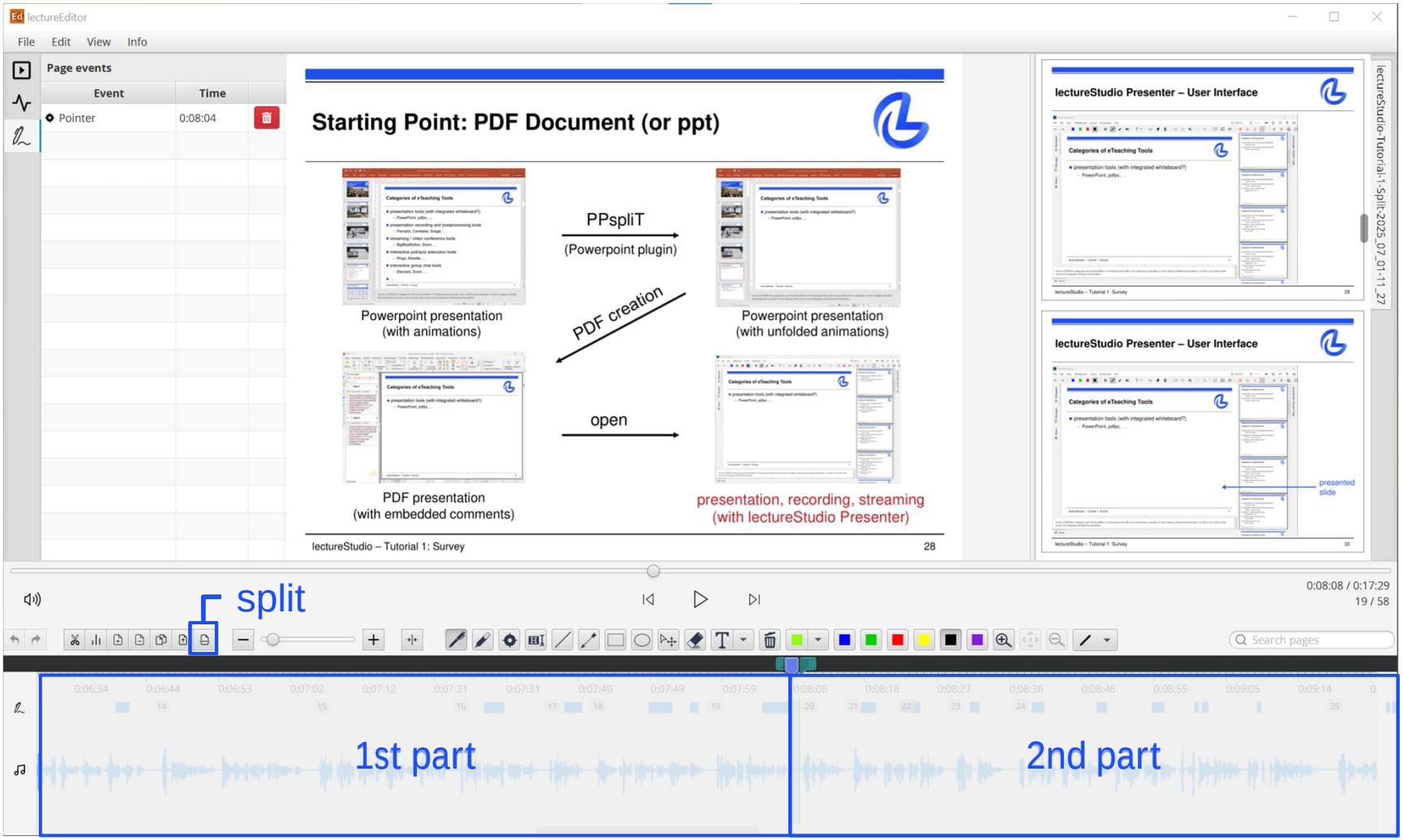
select mic.

unmute mic.

lectureStudio Editor – User Interface



lectureStudio Editor – Cut / Insert / Split



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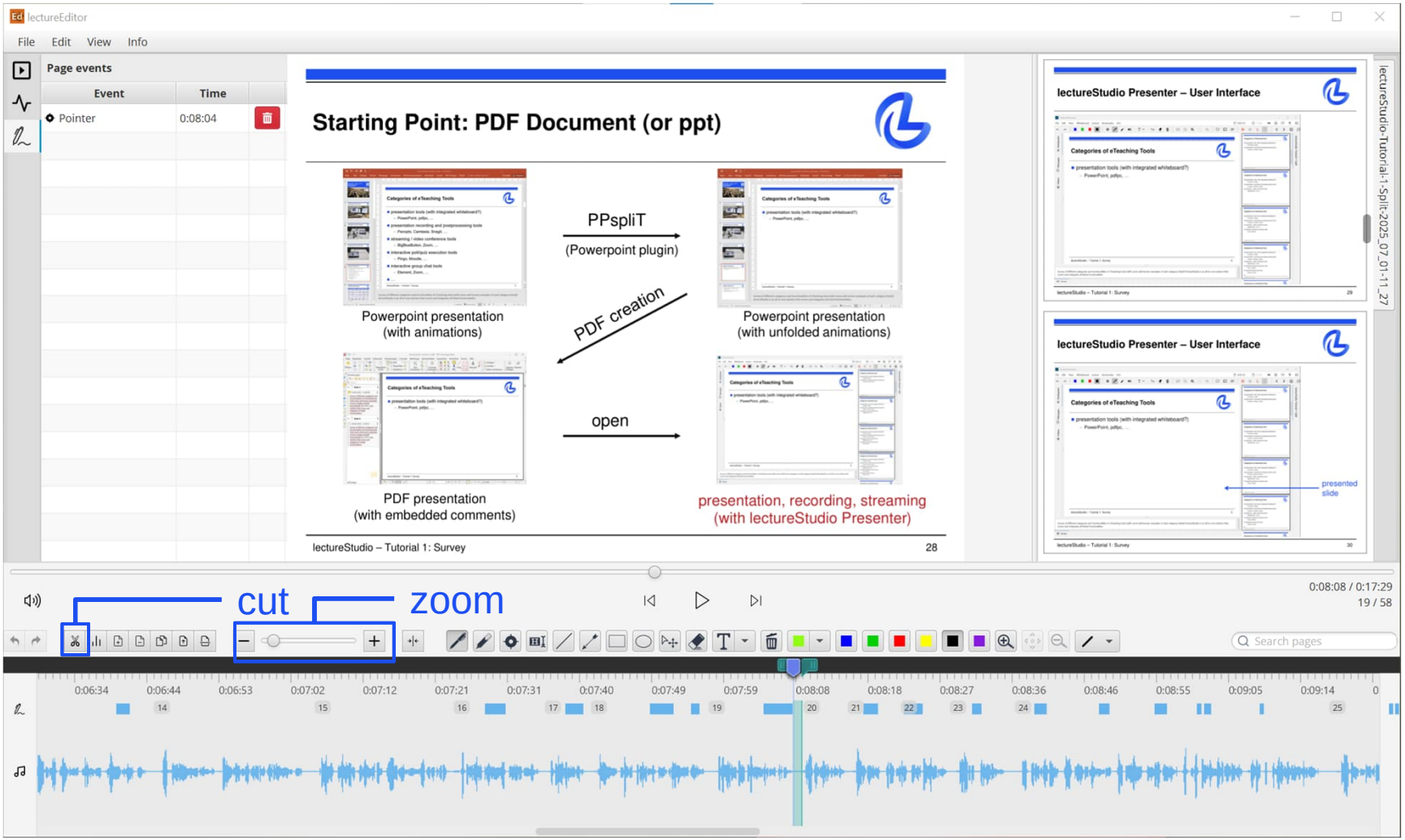

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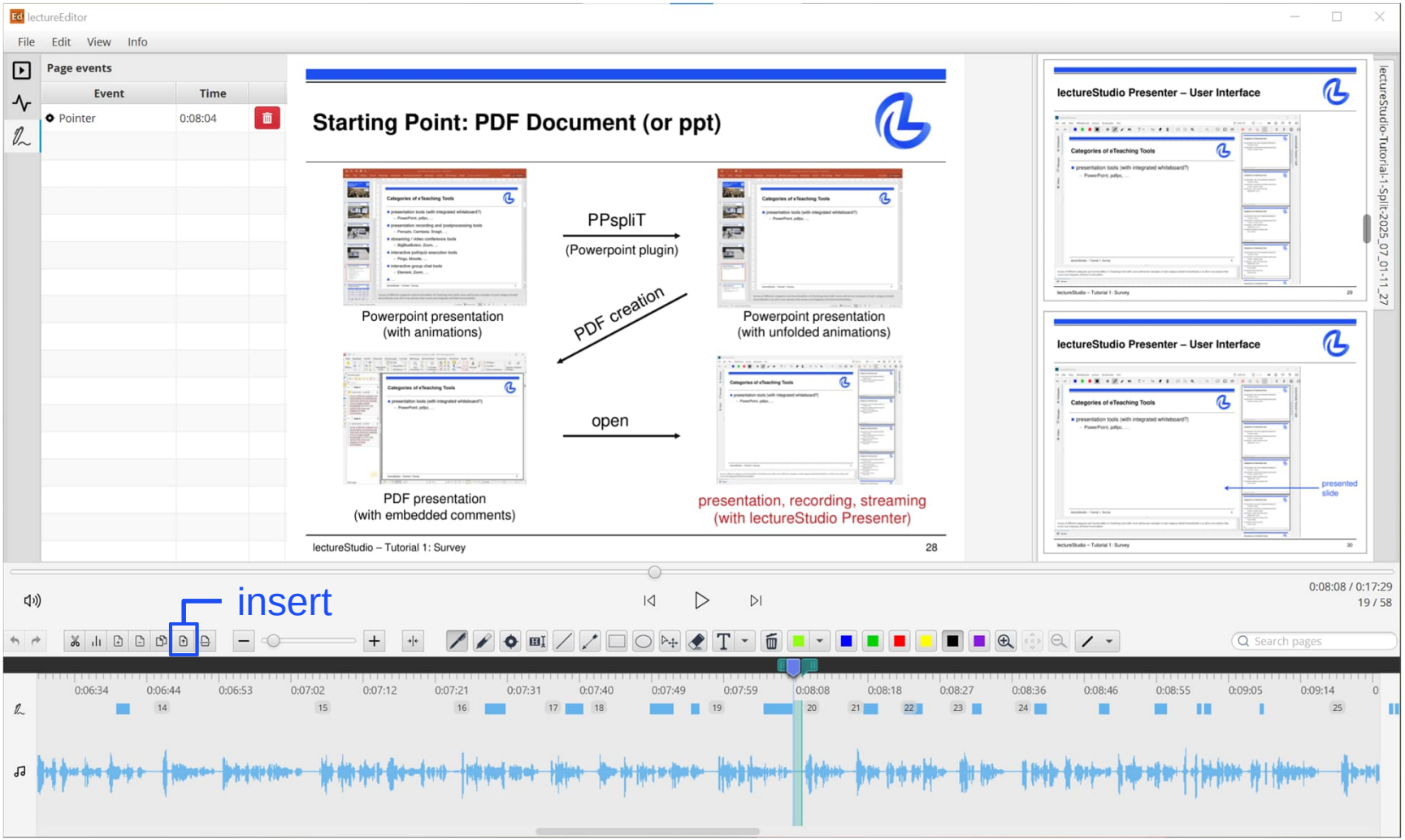

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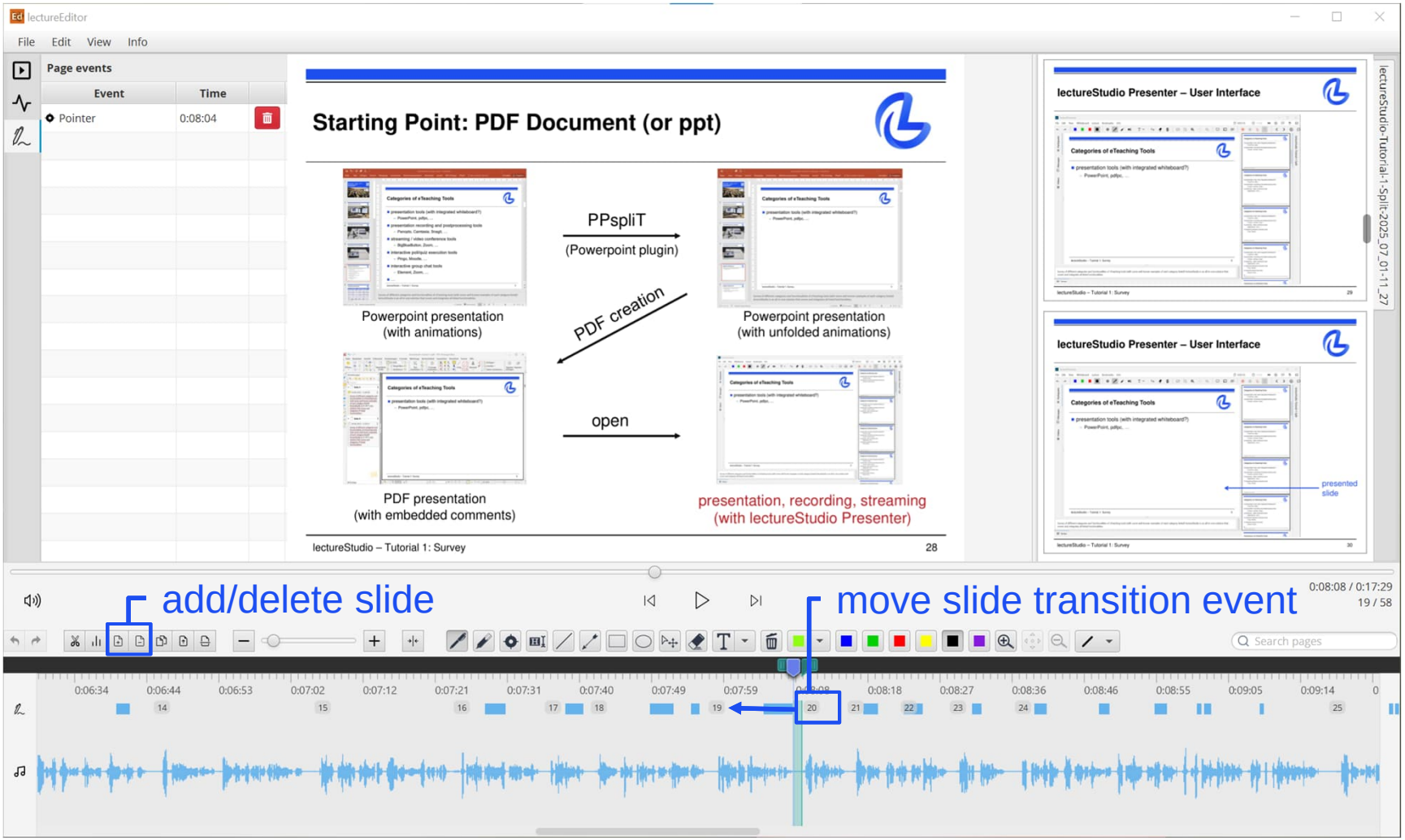
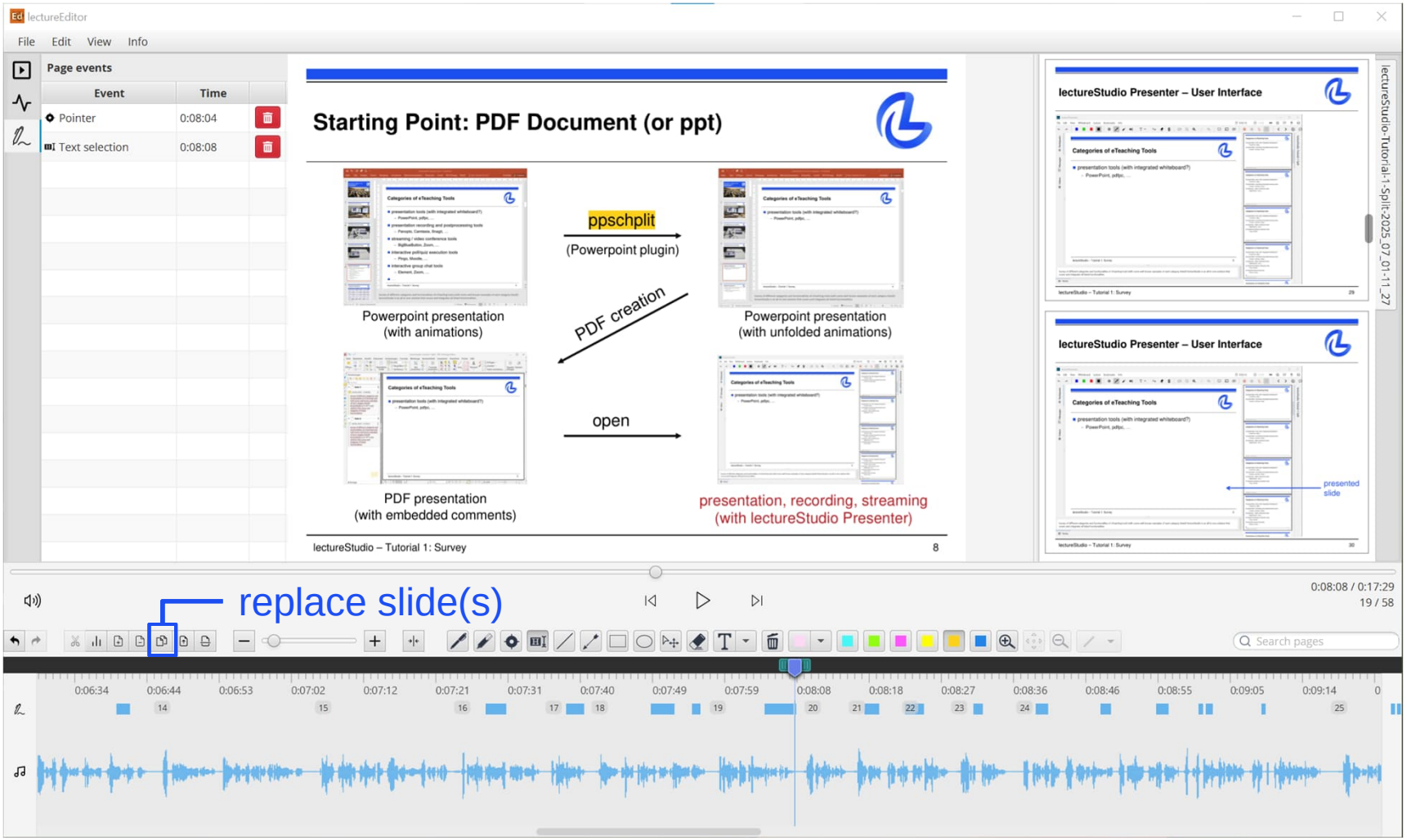


lectureStudio Editor – Fix „Typos“ on Slides



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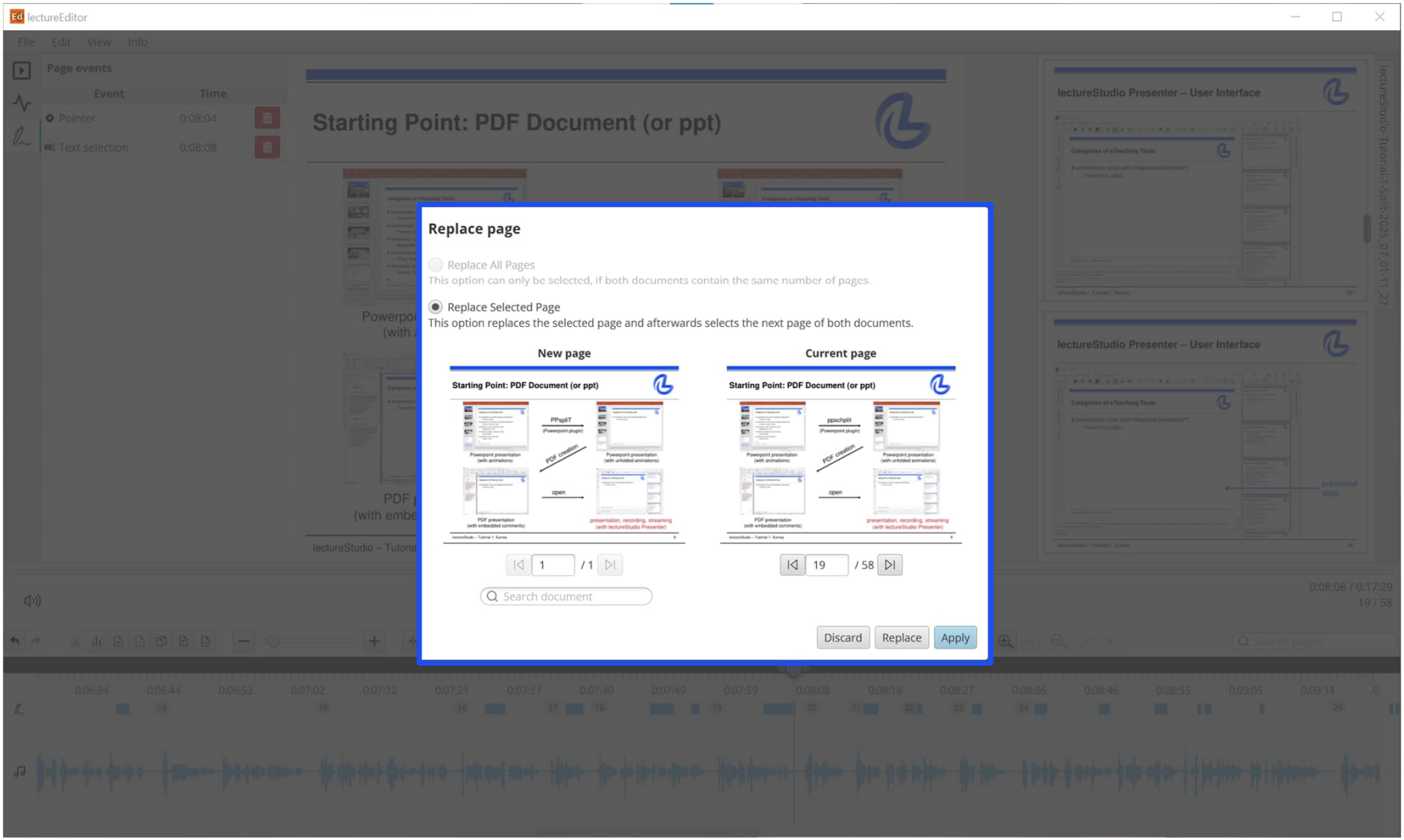
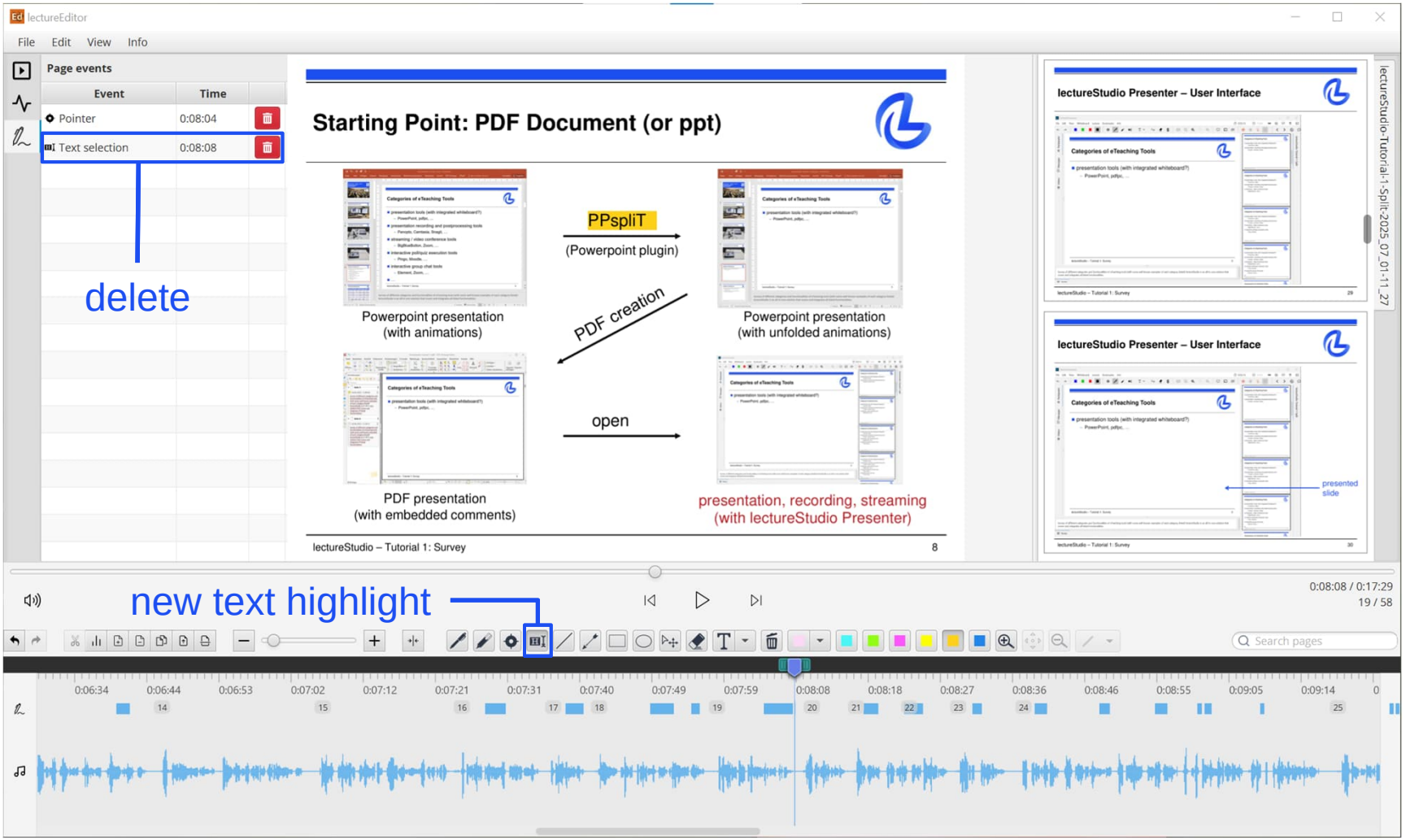


lectureStudio Editor – Modifying Annotations



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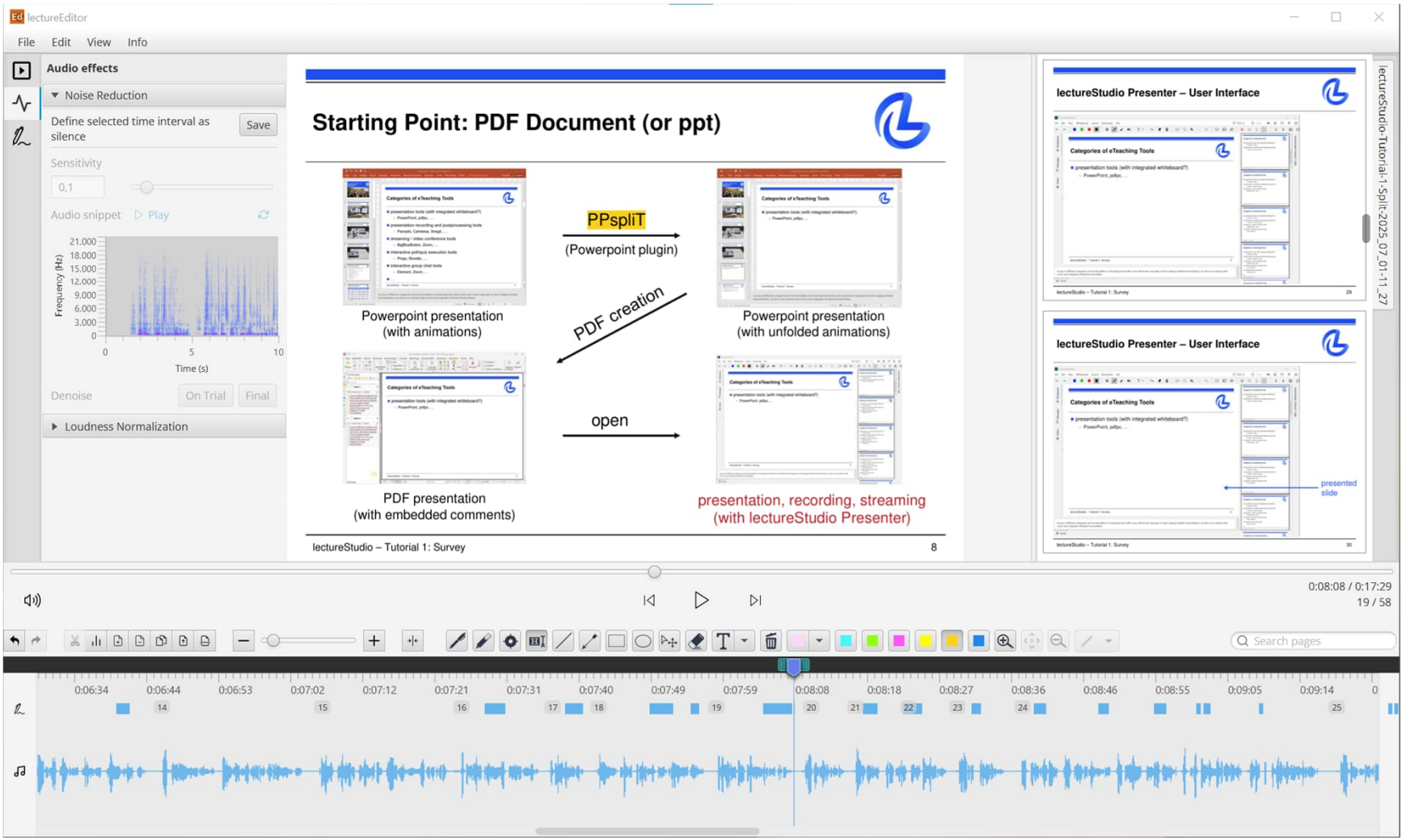
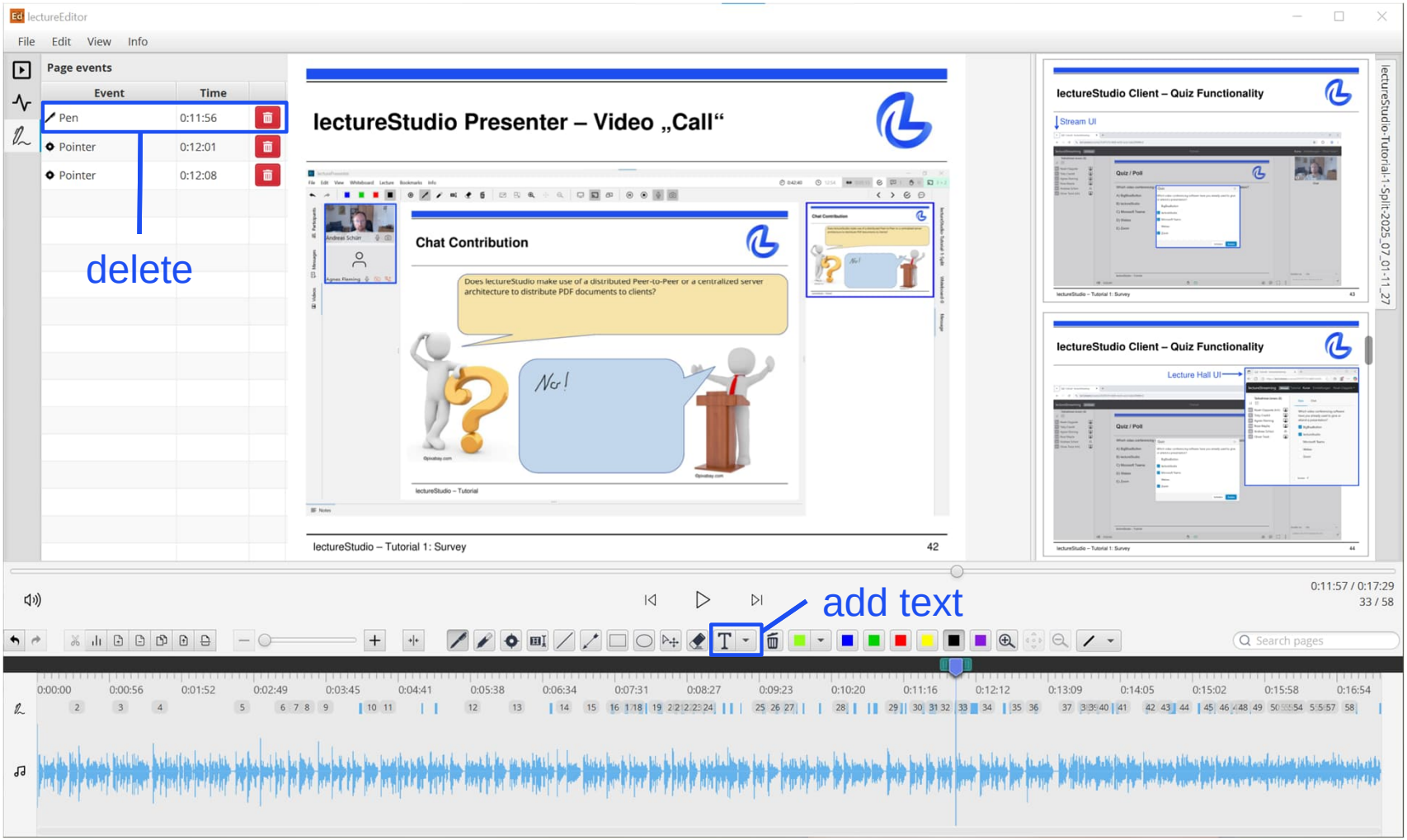


lectureStudio Editor – Annotation Tools



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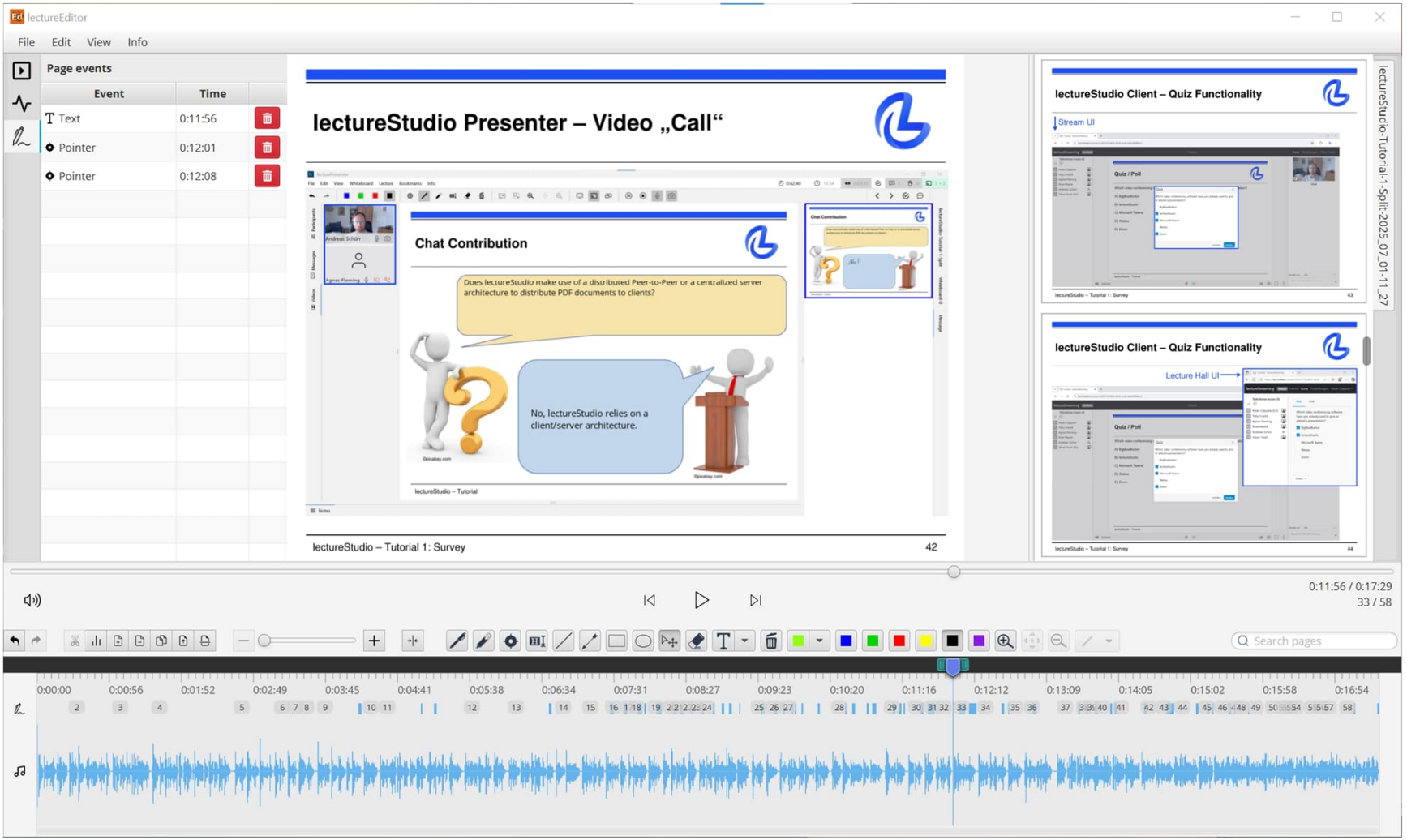
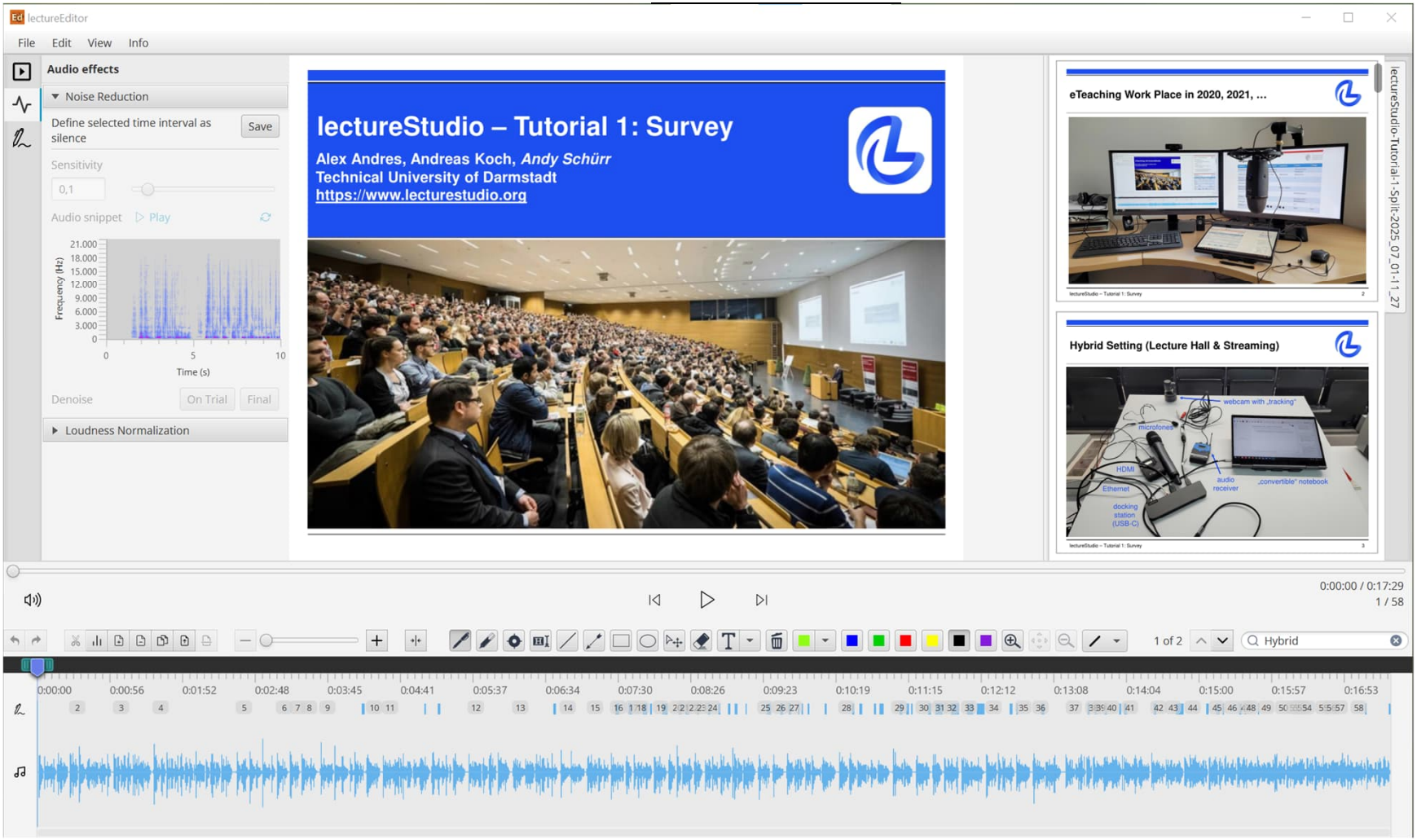
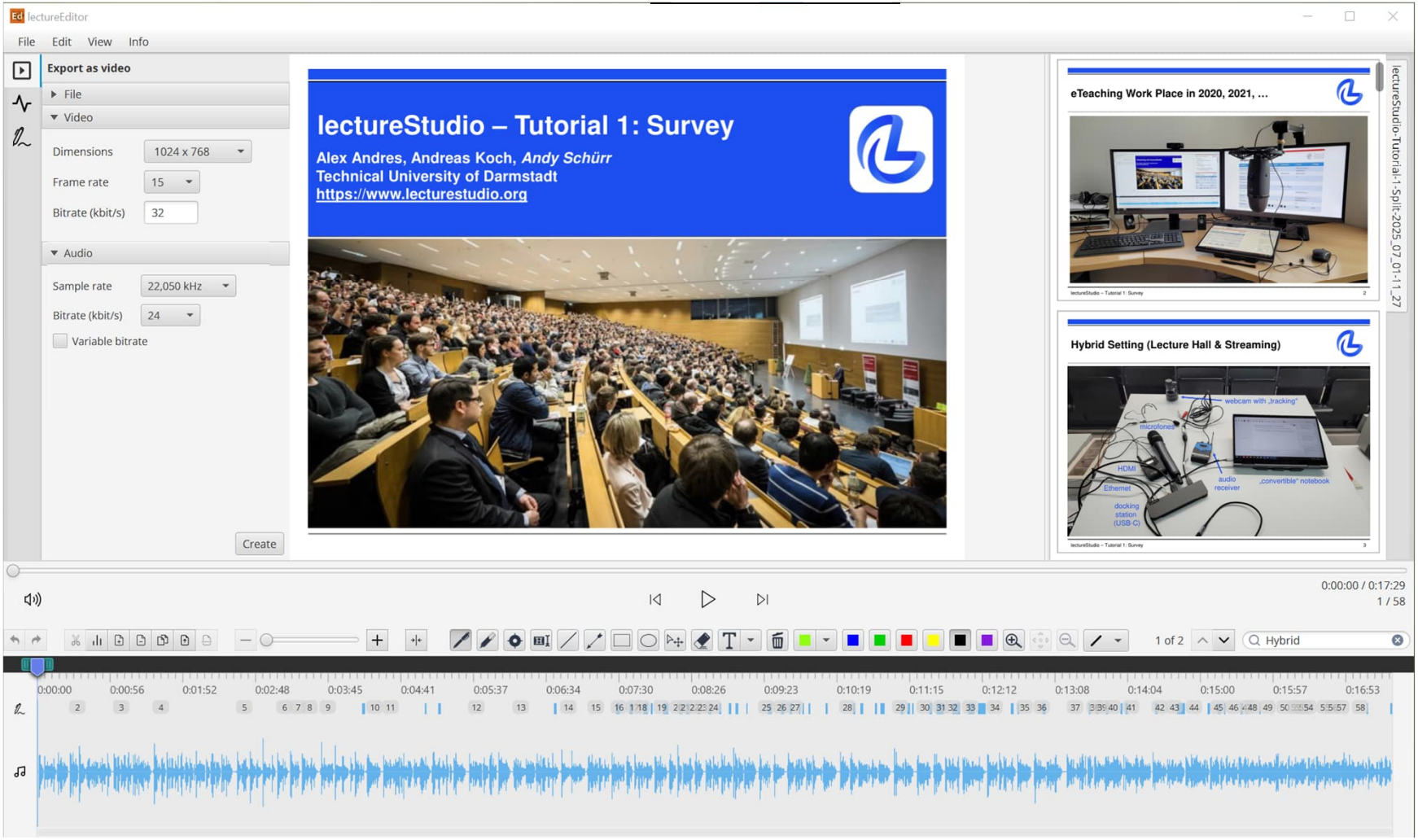


lectureStudio Editor – Noise Red. / Loudness Norm.



lectureStudio Editor – Video Rendering Parameters



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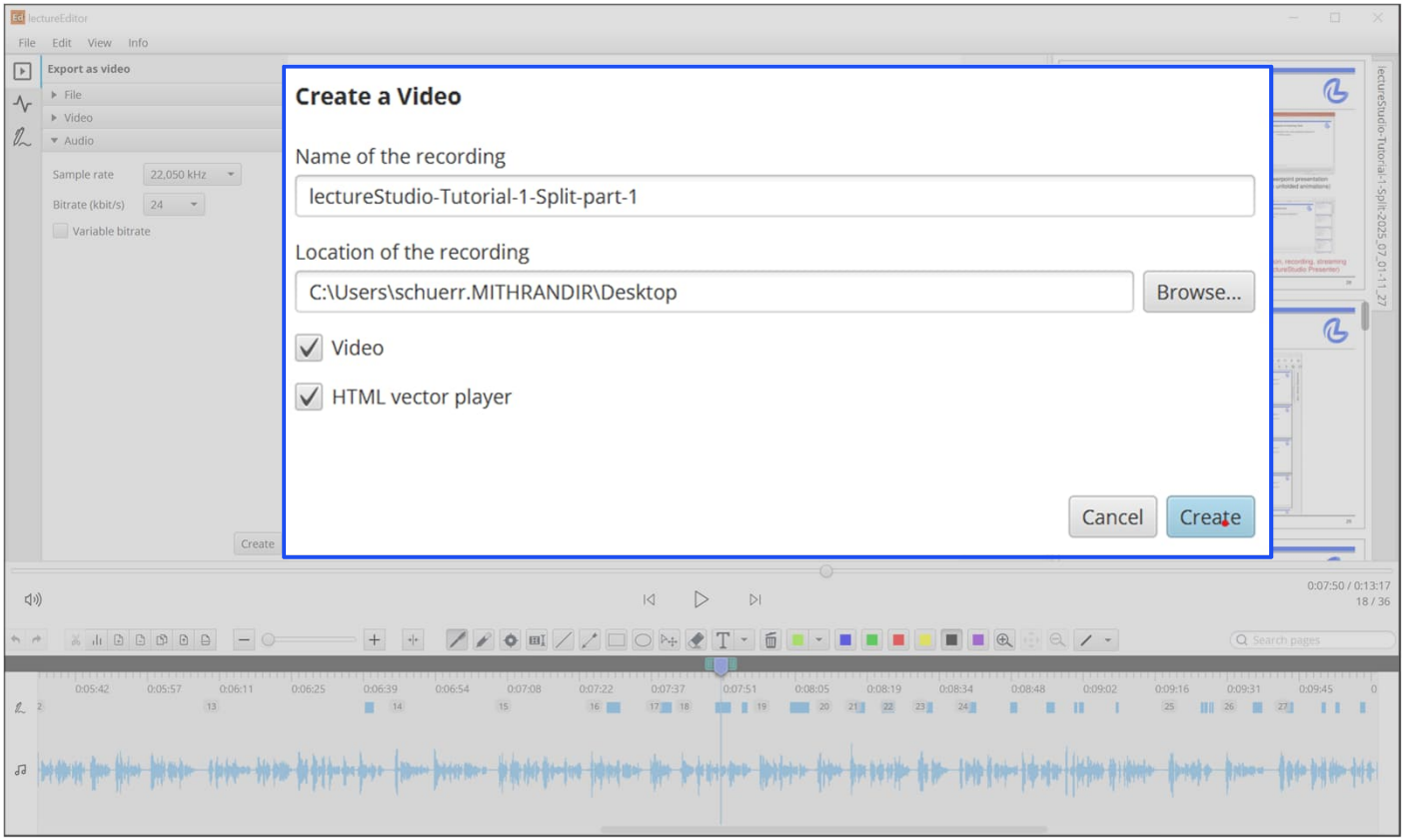


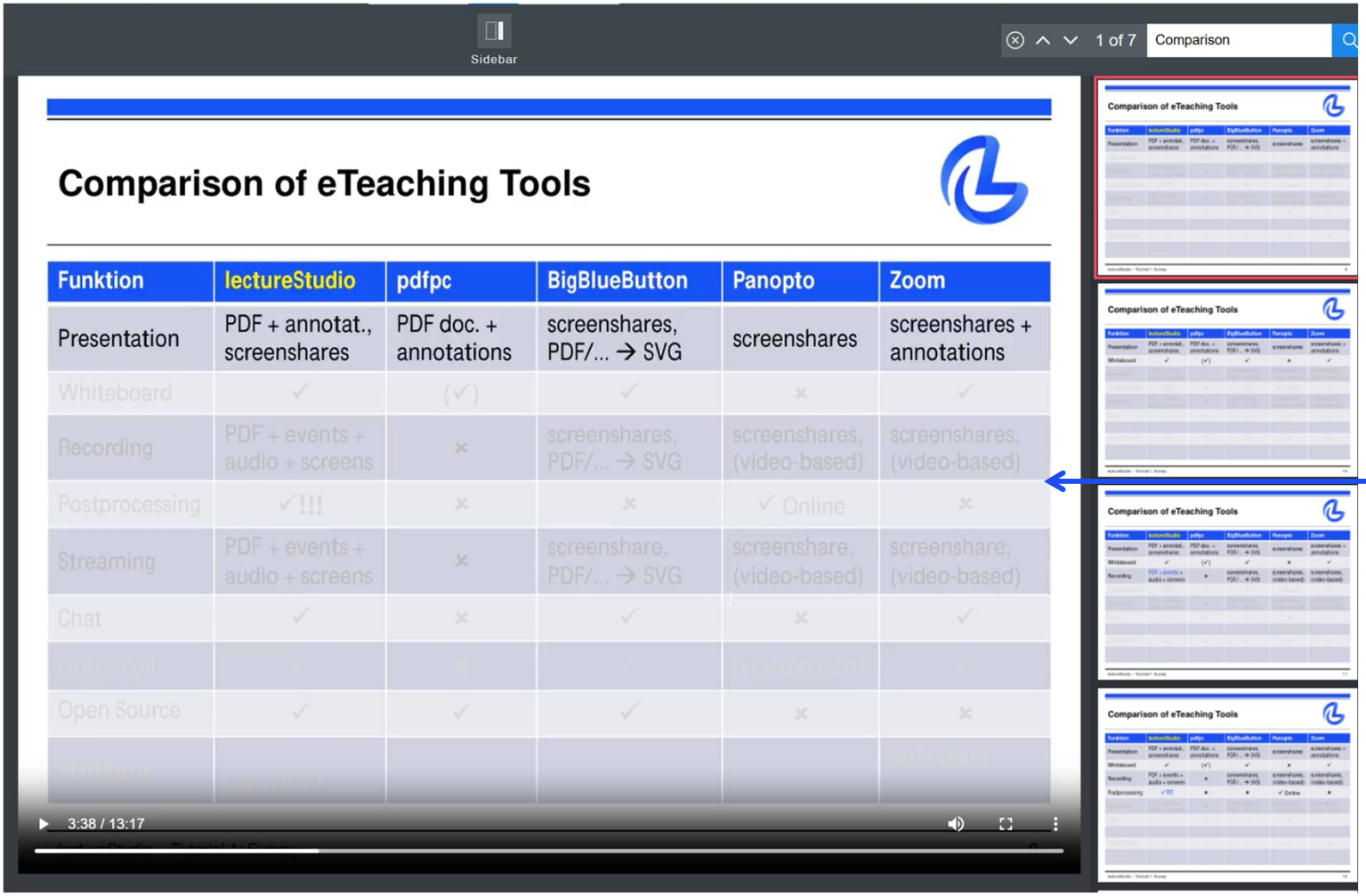
- mp4 video:
~ 0,4 MB / sec.
(1024 x 768)
+ html page

- pdf-based:
~ 0,4 MB / sec.
+ player code

- rendering time:
~ 0,15 sec. / sec.

Rendering parameters: video resolution, frame rate, bitrate, audio codec, …

lectureStudio – Player UI (Browser-based)



lectureStudio Editor – Available Operations

- Deleting parts of a presentation
- Splitting and merging presentations
- Adding and deleting annotations (highlighting, …)
- Moving, adding or deleting slide transition events
- Replacing (sequences of) PDF slides
- Noise reduction and loudness normalization
- Video rendering (mp4, pdf-based vector format)
- PDF export of slides with annotations

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- Collaborative Research Center 1053 MAKI (https://www.maki.tu-darmstadt.de/)
- Dept. of Electrical Engineering & Information Technology, TU Darmstadt (https://www.etit.tu-darmstadt.de/fachbereich/)
- Dept. of Computer Science, TU Darmstadt (https://www.informatik.tu-darmstadt.de/fb20/)